

TGAAAGACCC CACCTGTAGG TTTGGCAAGC TAGCTTAAGT AACGCCATTT	1
TGCAAGGCAT GGAAAAATAC ATAAGTGAAG ATAGAGAAGT TCAGATCAAG	51
GTCAGGAACA GATGGAACAG CTGAATATGG GCCAAACAGG ATATCTGTGG	101
TAAGCAGTTC CTGCCCCGGC TCAGGGCCAA GAACAGATGG AACAGCTGAA	151
TATGGGCCAA ACAGGATATC TGTGGTAAGC AGTTCCTGCC CCGGCTCAGG	201
GCCAAGAACA GATGGTCCCC AGATGCGGTC CAGCCCTCAG CAGTTTCTAG	251
AGAACCATCA GATGTTTCCA GGGTGCCCCA AGGACCTGAA ATGACCCTGT	301
GCCTTATTTG AACTAACCAA TCAGTTCGCT TCTCGCTTCT GTTCGCGCGC	351
TTCTGCTCCC CGAGCTCAAT AAAAGAGCCC ACAACCCCTC ACTCGGGGCG	401
CCAGTCCTCC GATTGACTGA GTCGCCCCGG TACCCGTGTA TCCAATAAAC	451
CCTCTTGAG TTGCATCCGA CTTGTGGTCT CGCTGTTCT TGGGAGGGTC	501
TCCTCTGAGT GATTGACTAC CCGTCAGCGG GGGTCTTTCA TTTGGGGGCT	551
CGTCCGGGAT CGGGAGACCC CTGCCCAGGG ACCACCGACC CACCACCGGG	601
AGGTAAGCTG GCCAGCAACT TATCTGTGTC TGTCCGATTG TCTAGTGTCT	651
ATGACTGATT TTATGCGCCT GCGTCGGTAC TAGTTAGCTA ACTAGCTCTG	701
TATCTGGCGG ACCCGTGGTG GAACTGACGA GTTCGGAACA CCCGGCCGCA	751
ACCCTGGGAG ACGTCCCAGG GACTTCGGGG GCCGTTTTTG TGGCCCGACC	801
TGAGTCCAAA AATCCCGATC GTTTTGGACT CTTTGGTGCA CCCCCCTTAG	851

FIG. 1A

AGGAGGGATA TGTGGTTCTG GTAGGAGACG AGAACCTAAA ACAGTTCCCG 901
 CCTCCGTCTG AATTTTGTCT TTCGGTTTGG GACCGAAGCC GCGCCGCGCG 951
 TCTTGTCTGC TGCAGCATCG TTCTGTGTTG TCTCTGTCTG ACTGTGTTTC 1001
 TGTATTTGTC TGAGAATATG GGCCCGCGGG CCAGACTGTT ACCACTCCCT 1051
 TAAGTTTGAC CTTAGGTCAC TGGAAAGATG TCGAGCGGAT CGCTCACAAC 1101
 CAGTCGGTAG ATGTCAAGAA GAGACGTTGG GTTACCTTCT GCTCTGCAGA 1151
 ATGGCCAACC TTTAACGTCG GATGGCCGCG AGACGGCACC TTTAACCGAG 1201
 ACCTCATCAC CCAGGTTAAG ATCAAGGTCT TTTCACCTGG CCCGCATGGA 1251
 CACCCAGACC AGGTCCCCTA CATCGTGACC TGGGAAGCCT TGGCTTTTGA 1301
 CCCCCCTCCC TGGGTCAAGC CCTTTGTACA CCCTAAGCCT CCGCCTCCTC 1351
 TTCCTCCATC CGCCCCGTCT CTCCCCCTTG AACCTCCTCG TTCGACCCCG 1401
 CCTCGATCCT CCCTTTATCC AGCCCTCACT CCTTCTCTAG GCGCCAAACC 1451
 TAAACCTCAA GTTCTTTCTG ACAGTGGGGG GCCGCTCATC GACCTACTTA 1501
 CAGAAGACCC CCCGCCATTAT AGGGACCCAA GACCACCCCC TTCCGACAGG 1551
 GACGGAAATG GTGGAGAAGC GACCCCTGCG GGAGAGGCAC CGGACCCCTC 1601
 CCCAATGGCA TCTCGCCTAC GTGGGAGACG GGAGCCCCCT GTGGCCGACT 1651
 CCACTACCTC GCAGGCATTG CCCCTCCGCG CAGGAGGAAA CGGACAGCTT 1701
 CAATACTGGC CGTTCTCCTC TTCTGACCTT TACAACTGGA AAAATAATAA 1751

FIG. 1B

CCCTTCTTTT TCTGAAGATC CAGGTAACT GACAGCTCTG ATCGAGTCTG	1801
TTCTCATCAC CCATCAGCCC ACCTGGGACG ACTGTCAGCA GCTGTTGGGG	1851
ACTCTGCTGA CCGGAGAAGA AAAACAACGG GTGCTCTTAG AGGCTAGAAA	1901
GGCGGTGCGG GCGGATGATG GGGCCCCAC TCAACTGCCC AATGAAGTCG	1951
ATGCCGCTTT TCCCCTCGAG AATTCTACCG GGTAGGGGAG GCGCTTTTCC	2001
CAAGGCAGTC TGGAGCATGC GCTTTAGCAG CCCCGCTGGC ACTTGGCGCT	2051
ACACAAGTGG CCTCTGGCCT CGCACACATT CCACATCCAC CGGTAGCGCC	2101
AACCGGCTCC GTTCTTTGGT GGCCCCCTCG CGCCACCTTC TACTCCTCCC	2151
CTAGTCAGGA AGTTCCCCC GCCCCGCAGC TCGCGTCGTG CAGGACGTGA	2201
CAAATGGAAG TAGCACGTCT CACTAGTCTC GTGCAGATGG ACAGCACCGC	2251
TGAGCAATGG AAGCGGGTAG GCCTTTGGGG CAGCGGCCAA TAGCAGCTTT	2301
GCTCCTTCGC TTTCTGGGCT CAGAGGCTGG GAAGGGGTGG GTCCGGGGGC	2351
GGGCTCAGGG GCGGGCTCAG GGGCGGGGCG GCGCGAAGG TCCTCCGGAG	2401
CCCGGCATTC TGCACGCTTC AAAAGCGCAC GTCTGCCGCG CTGTTCTCCT	2451
CTTCCTCATC TCCGGGCCTT TCGACCGGAT CCGGCGATTA GTCCAATTTG	2501
TTAAAGACAG GATATCAGTG GTCCAGGCTC TAGTTTTGAC TCAACAATAT	2551
CACCAGCTGA AGCCTATAGA GTACGAGCCA TAGATAAAAT AAAAGATTTT	2601
ATTTAGTCTC CAGAAAAAGG GGGGAATGAA AGACCCACC TGTAGGTTTG	2651

FIG. 1C

GCAAGCTAGC TTAAGTAACG CCATTTTGCA AGGCATGGAA AAATACATAA 2701
 CTGAGAATAG AGAAGTTCAG ATCAAGGTCA GGAACAGATG GAACAGGGTC 2751
 GACCCTAGAG AACCATCAGA TGTTTCCAGG GTGCCCCAAG GACCTGAAAT 2801
 GACCCTGTGC CTTATTTGAA CTAACCAATC AGTTCGCTTC TCGCTTCTGT 2851
 TCGCGCGCTT CTGCTCCCCG AGCTCAATAA AAGAGCCCAC AACCCCTCAC 2901
 TCGGGGCGCC AGTCCTCCGA TTGACTGAGT CGCCCGGGTA CCCGTGTATC 2951
 CAATAAACCC TCTTGCACTT GCATCCGACT TGTGGTCTCG CTGTTCCCTG 3001
 GGAGGGTCTC CTCTGAGTGA TTGACTACCC GTCAGCGGGG GTCTTTCATT 3051
 TATGTGTCAT AAATATTTCT AATTTTAAGA TAGTATCTCC ATTGGCTTTC 3101
 TACTTTTTCT TTTTATTTTT TTTTGTCTC TGTCTCCATG TGTGTGTGT 3151
 GTTGTGTGT TGTGTGTGT TTGGTTGGTT GGTTAATTT TTTTAAAGA 3201
 TCCTACACTA TAGTTCAAGC TAGACTATTA GCTACTCTGT AACCCAGGGT 3251
 GACCTTGAAG TCATGGGTAG CCTGCTGTTT TAGCCTTCCC ACATCTAAGA 3301
 TTACAGGTAT GAGCTATCAT TTTGGTATAT TGATTGATTG ATTGATTGAT 3351
 GTGTGTGTGT GTGATTGTGT TTGTGTGTGT GATTGTGTAT ATGTGTGTAT 3401
 GGTGTGTGT GATTGTGTGT ATGTATGTTT GTGTGTGATT GTGTGTGTGT 3451
 GATTGTGCAT GTGTGTGTGT GATGTGTTAG TGTATGATTG TGTGTGTGTG 3501
 TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TGTGTGTTGT GTATATATAT 3551

FIG. 1D

TTATGGTAGT GAGAGGCAAC GCTCCGGCCC AGGCGTCAGG TTGGTTTTTG 3601
 AGACAGAGTC TTCACTTAG CTTGAATTCT TGAAGACGAA AGGGCCTCGT 3651
 GATACGCCTA TTTTATAGG TTAATGTCAT GATAATAATG GTTCTTAGA 3701
 CGTCAGGTGG CACTTTTCGG GGAAATGTGC GCGGAACCCC TATTTGTTTA 3751
 TTTTCTAAA TACATTCAA TATGTATCCG CTCATGAGAC AATAACCCTG 3801
 ATAAATGCTT CAATAATATT GAAAAAGGAA GAGTATGAGT ATTCAACATT 3851
 TCCGTGTCGC CCTTATCCC TTTTGTGGG CATTTTGCCT TCCTGTTTTT 3901
 GCTCACCAG AAACGCTGGT GAAAGTAAA GATGCTGAAG ATCAGTTGGG 3951
 TGCACGAGTG GGTACATCG AACTGGATCT CAACAGCGGT AAGATCCTTG 4001
 AGAGTTTTCG CCCCAGAGAA CGTTTTCCAA TGATGAGCAC TTTAAAGTT 4051
 CTGCTATGTG GCGCGGTATT ATCCCGTGTT GACGCCGGGC AAGAGCAACT 4101
 CGGTCGCCGC ATACACTATT CTCAGAATGA CTTGGTTGAG TACTCACCAG 4151
 TCACAGAAAA GCATCTTACG GATGGCATGA CAGTAAGAGA ATTATGCAGT 4201
 GCTGCCATAA CCATGAGTGA TAACACTGCG GCCAACTTAC TTCTGACAAC 4251
 GATCGGAGGA CCGAAGGAGC TAACCGCTTT TTTGCACAAC ATGGGGGATC 4301
 ATGTAACCTG CCTTGATCGT TGGGAACCGG AGCTGAATGA AGCCATACCA 4351
 AACGACGAGC GTGACACCAC GATGCCTGCA GCAATGGCAA CAACGTTGCG 4401
 CAAACTATTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG CAACAATTAA 4451

FIG. 1E

TAGACTGGAT GGAGGGGGAT AAAGTTGCAG GACCACTTCT GCGCTCGGCC 4501
 CTTCCGGCTG GCTGGTTTAT TGCTGATAAA TCTGGAGCCG GTGAGCGTGG 4551
 GTCTCGCGGT ATCATTGCAG CACTGGGGCC AGATGGTAAG CCCTCCCGTA 4601
 TCGTAGTTAT CTACACGACG GGGAGTCAGG CAACTATGGA TGAACGAAAT 4651
 AGACAGATCG CTGAGATAGG TGCCTCACTG ATTAAGCATT GGTAAGTGTG 4701
 AGACCAAGTT TACTCATATA TACTTTAGAT TGATTTAAAA CTTCAATTTT 4751
 AATTTAAAAG GATCTAGGTG AAGATCCTTT TTGATAATCT CATGACCAAA 4801
 ATCCCTTAAC GTGAGTTTTT GTTCCACTGA GCGTCAGACC CCGTAGAAAA 4851
 GATCAAAGGA TCTTCTTGAG ATCCTTTTTT TCTGCGCGTA ATCTGCTGCT 4901
 TGCAAACAAA AAAACCACCG CTACCAGCGG TGGTTTGTTT GCCGGATCAA 4951
 GAGCTACCAA CTCTTTTTCC GAAGGTAAGT GGCTTCAGCA GAGCGCAGAT 5001
 ACCAAATACT GTCCTTCTAG TGTAGCCGTA GTTAGGCCAC CACTTCAAGA 5051
 ACTCTGTAGC ACCGCCTACA TACCTCGCTC TGCTAATCCT GTTACCAGTG 5101
 GCTGCTGCCA GTGGCGATAA GTCGTGTCTT ACCGGGTTGG ACTCAAGACG 5151
 ATAGTTACCG GATAAGGCGC AGCGGTCGGG CTGAACGGGG GTTTCGTGCA 5201
 CACAGCCCAG CTTGGAGCGA ACGACCTACA CCGAACTGAG ATACCTACAG 5251
 CGTGAGCTAT GAGAAAGCGC CACGCTTCCC GAAGGGAGAA AGGCGGACAG 5301
 GTATCCGGTA AGCGGCAGGG TCGGAACAGG AGAGCGCACG AGGGAGCTTC 5351

FIG. 1F

CAGGGGGAAA CGCCTGGTAT CTTTATAGTC CTGTCGGGTT TCGCCACCTC	5401
TGACTTGAGC GTCGATTTTT GTGATGCTCG TCAGGGGGGC GGAGCCTATG	5451
GAAAAACGCC AGCAACGCGG CCTTTTTACG GTTCCTGGCC TTTTGCTGGC	5501
CTTTTGCTCA CATGTTCTTT CCTGCGTTAT CCCCTGATTC TGTGGATAAC	5551
CGTATTACCG CCTTTGAGTG AGCTGATACC GCTCGCCGCA GCCGAACGAC	5601
CGAGCGCAGC GAGTCAGTGA GCGAGGAAGC GGAAGAGCGC CTGATGCGGT	5651
ATTTTCTCCT TACGCATCTG TGCGGTATTT CACACCGCAT ATGGTGCACT	5701
CTCAGTACAA TCTGCTCTGA TGCCGCATAG TTAAGCCAGT ATACACTCCG	5751
CTATCGCTAC GTGACTGGGT CATGGCTGCG CCCCGACACC CGCCAACACC	5801
CGCTGACGCG CCCTGACGGG CTTGTCTGCT CCCGGCATCC GCTTACAGAC	5851
AAGCTGTGAC CGTCTCCGGG AGCTGCATGT GTCAGAGGTT TTCACCGTCA	5901
TCACCGAAAC GCGCGAGGCA GCTGCGGTAA AGCTCATCAG CGTGGTCGTG	5951
AAGCGATTCA CAGATGTCTG CCTGTTTCATC CGCGTCCAGC TCGTTGAGTT	6001
TCTCCAGAAG CGTTAATGTC TGGCTTCTGA TAAAGCGGGC CATGTTAAGG	6051
GCGGTTTTTT CCTGTTTGGT CACTGATGCC TCCGTGTAAG GGGGATTTCT	6101
GTTTCATGGGG GTAATGATAC CGATGAAACG AGAGAGGATG CTCACGATAC	6151
GGGTACTGA TGATGAACAT GCCCGGTTAC TGGAACGTTG TGAGGGTAAA	6201
CAACTGGCGG TATGGATGCG GCGGGACCAG AGAAAAATCA CTCAGGGTCA	6251

FIG. 1 G

ATGCCAGCGC TTCGTTAATA CAGATGTAGG TGTTCACAG GGTAGCCAGC	6301
AGCATCCTGC GATGCAGATC CGGAACATAA TGGTGCAGGG CGCTGACTTC	6351
CGCGTTTCCA GACTTTACGA AACACGGAAA CCGAAGACCA TTCATGTTGT	6401
TGCTCAGGTC GCAGACGTTT TGCAGCAGCA GTCGCTTCAC GTTCGCTCGC	6451
GTATCGGTGA TTCATTCTGC TAACCAGTAA GGCAACCCCG CCAGCCTAGC	6501
CGGGTCCTCA ACGACAGGAG CACGATCATG CGCACCCGTG GCCAGGACCC	6551
AACGCTGCCC GAGATGCGCC GCGTGCGGT GCTGGAGATG GCGGACGCGA	6601
TGGATATGTT CTGCCAAGGG TTGGTTTGCG CATTACAGT TCTCCGCAAG	6651
AATTGATTGG CTCCAATTCT TGGAGTGGTG AATCCGTTAG CGAGGTGCCG	6701
CCGGCTTCCA TTCAGGTGCA GGTGGCCCGG CTCCATGCAC CGCGACGCAA	6751
CGCGGGGAGG CAGACAAGGT ATAGGGCGGC GCCTACAATC CATGCCAACC	6801
CGTTCCATGT GCTCGCCGAG GCGGCATAAA TCGCCGTGAC GATCAGCGGT	6851
CCAGTGATCG AAGTTAGGCT GGTAAGAGCC GCGAGCGATC CTTGAAGCTG	6901
TCCCTGATGG TCGTCATCTA CCTGCCTGGA CAGCATGGCC TGCAACGCGG	6951
GCATCCCGAT GCCGCCGGAA GCGAGAAGAA TCATAATGGG GAAGGCCATC	7001
CAGCCTCGCG TCGGAACGC CAGCAAGACG TAGCCCAGCG CGTCGGCCGC	7051
CATGCCGGCG ATAATGGCCT GCTTCTCGCC GAAACGTTTG GTGGCGGGAC	7101
CAGTGACGAA GGCTTGAGCG AGGGCGTGCA AGATTCCGAA TACCGCAAGC	7151

FIG. 1H

GACAGGCCGA TCATCGTCGC GCTCCAGCGA AAGCGGTCCT CGCCGAAAAT	7201
GACCCAGAGC GCTGCCGGCA CCTGTCCTAC GAGTTGCATG ATAAAGAAGA	7251
CAGTCATAAG TCGGGCGACG ATAGTCATGC CCCGCGCCCA CCGGAAGGAG	7301
CTGACTGGGT TGAAGGCTCT CAAGGGCATC GGTCGACGCT CTCCCTTATG	7351
CGACTCCTGC ATTAGGAAGC AGCCCAGTAG TAGGTTGAGG CCGTTGAGCA	7401
CCGCCGCCGC AAGGAATGGT GCATGCAAGG AGATGGCGCC CAACAGTCCC	7451
CCGGCCACGG GGCCTGCCAC CATACCCACG CCGAAACAAG CGCTCATGAG	7501
CCCGAAGTGG CGAGCCCGAT CTTCCCATC GGTGATGTCG GCGATATAGG	7551
CGCCAGCAAC CGCACCTGTG GCGCCGGTGA TGCCGGCCAC GATGCGTCCG	7601
GCGTAGAGCG CCACAGGACG GGTGTGGTCG CCATGATCGC GTAGTCGATA	7651
GTGGCTCCAA GTAGCGAAGC GAGCAGGACT GGGCGGCGGC CAAAGCGGTC	7701
GGACAGTGCT CCGAGAACGG GTGCGCATAG AAATTGCATC AACGCATATA	7751
GCGCTAGCAG CACGCCATAG TGA CTGGCGA TGCTGTCGGA ATGGACGATA	7801
TCCCGCAAGA GGCCCGGACG TACCGGCATA ACCAAGCCTA TGCCTACAGC	7851
ATCCAGGGTG ACGGTGCCGA GGATGACGAT GAGCGCATTG TTAGATTTC	7901
TACACGGTGC CTGACTGCGT TAGCAATTTA ACTGTGATAA ACTACCGCAT	7951
TAAAGCTTTG CTTAGGAGTT TCCTAATACA TCCCAAATC AAATATATAA	8001
GCATTTGACT TGTTCATATG CCTAGGGGGA GGGGGGAAGC TAAGCCAGCT	8051

FIG. 11

TTTTTTAACA TTAAAAATGT TAATTCCATT TTAAATGCAC AGATGTTTTT 8101
ATTTCATAAG GGTTTCAATG TGCATGAATG TCGCAATATC CTGTTACCAA 8151
AGCTAGTATA AATAAAAAATA GATAAACGTG GAAATTACTT AGAGTTTCTG 8201
TCATTAACGT TTCCTTCCTC AGTTGACAAC ATAAATGCGC TGCTGAGAAG 8251
CCAGTTTGCA TCTGTCAGGA TCAATTTCCA TTATGCCAGT CATATTAATT 8301
ACTAGTCAAT TAGTTGATTT TTGACATATA CATGTGAA

FIG. 1J

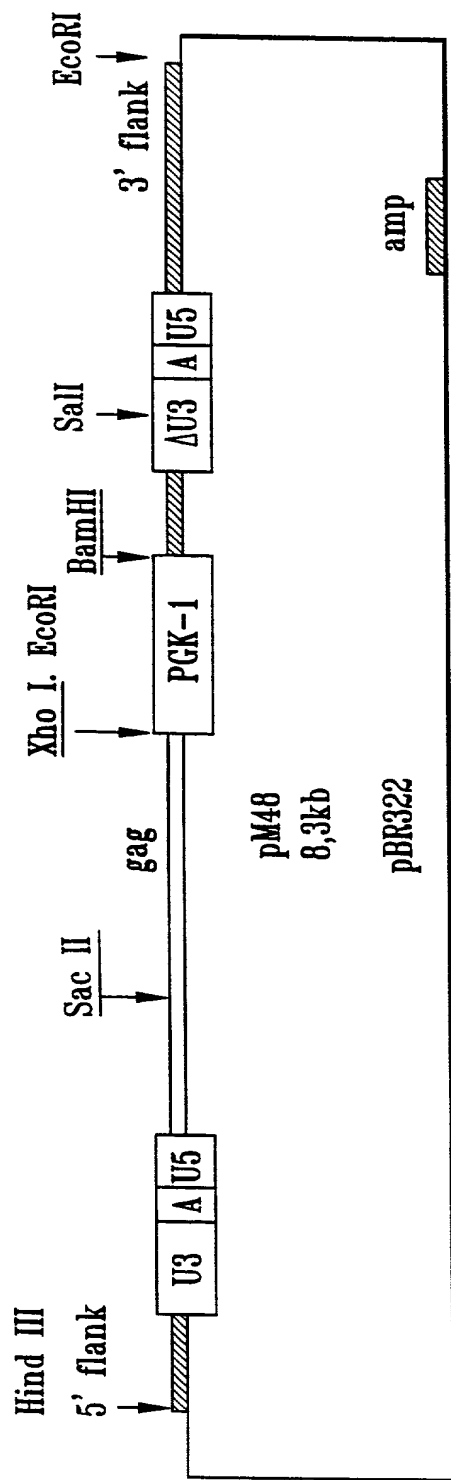


FIG. 2